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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/035,582	12/28/2001	Guy L. Steele JR.	06502.0376-00000	2893
22852	7590 07/14/2005		EXAMINER	
FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER LLP			MALZAHN, DAVID H	
901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413		ART UNIT	PAPER NUMBER	
		2193		
			DATE MAILED: 07/14/2009	5

Please find below and/or attached an Office communication concerning this application or proceeding.

/	Application No.	Applicant(s)				
	10/035,582	STEELE, GUY L.				
Office Action Summary	Examiner	Art Unit				
	David H. Malzahn	2193				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1)⊠ Responsive to communication(s) filed on <u>02 February 2005 and 22 April 2005</u> .						
2a)⊠ This action is <b>FINAL</b> . 2b)□ This action is non-final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the ments is						
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) Claim(s) <u>1-41</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5)  Claim(s) is/are allowed. 6)  Claim(s) <u>1-5,25-31 and 36-41</u> is/are rejected.						
7)⊠ Claim(s) <u>1-3,23-31 and 30-41</u> is/are rejected. 7)⊠ Claim(s) <u>6-24 and 32-35</u> is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9) The specification is objected to by the Examiner.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) All b) Some * c) None of:						
1. Certified copies of the priority documents have been received.						
<ul> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage</li> </ul>						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
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Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date						
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  5) Notice of Informal Patent Application (PTO-152)						
Paper No(s)/Mail Date <u>11/4/04, 11/23/04</u> , 12/23/0 4 + 6/14/5 6) ☐ Other:  U.S. Patent and Trademark Office						
	Action Summary Pa	art of Paper No./Mail Date 20050706				

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#### **DETAILED ACTION**

### Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1-5, 25-31 and 36-41 are rejected under 35 U.S.C. 102(e) as being anticipated by Walster (2002/0194232).

Walster discloses both a method and an apparatus for enhancing support of an interval computation when performing a floating point arithmetic operation (e.g. minimum determination, note Table 1) by receiving a first and a second floating point operand (e.g. ac and ad, Table 1) followed by executing the floating point arithmetic operation and determining whether a NaN substitution is necessary and when unnecessary a floating point result is produced (e.g. cases 1-11 of Table 1) and when necessary an alternative value is substituted (e.g. case 12 of Table 1).

Contrary to applicant's remarks, Walster does not ignore NaN values prior to computing a minimum, e.g. note case 12 of Table 1. Also, contrary to applicant's remarks, the providing of the default result (-inf) is the performing of the floating point operation because it is providing the floating point result.

## Allowable Subject Matter

3. Claims 6-24 and 32-35 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

#### Conclusion

4. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to David H. Malzahn whose telephone number is (571) 272-3727. The examiner can normally be reached on M-Th from 7:30 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki, can be reached on 571 272 3719. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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David H. Malzahn Primary Examiner Art Unit 2193